EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	67	(US-20040213412-$ or US-20040240697-$ or US-20050226438-$ or US-20030019580-$ or US-20030063758-$ or US-20020176592-$ or US-20020153195-$ or US-20020125066-$ or US-20020014369-$ or US-20020009203-$).did. or (US-4146744-$ or US-5227591-$ or US-3931867-$ or US-4005278-$ or US-4815559-$ or US-4379951-$ or US-4039044-$ or US-4179008-$ or US-4322583-$ or US-6038330-$ or US-1760085-$ or US-4885782-$ or US-7088830-$ or US-5425107-$ or US-4227051-$ or US-3608665-$ or US-4554414-$ or US-1273459-$ or US-4057689-$ or US-5088574-$ or US-4589133-$ or US-5684879-$ or US-4357490-$ or US-3637039-$ or US-3645355-$ or US-3648801-$). did. or (US-3670842-$ or US-2534040-$ or US-6801631-$ or US-4837826-$ or US-6625289-$ or US-6520280-$ or US-4006311-$ or US-6640924-$ or US-6444892-$ or US-6393131-$ or US-6215883-$ or US-5900593-$ or US-5764782-$ or US-5758852-$ or US-5309518-$ or US-5233664-$ or US-5196755-$ or US-3947635-$ or US-4551849-$ or US-4514599-$ or US-4348750-$ or US-4160883-$ or US-3976838-$ or US-4006308-$ or US-5097514-$ or US-5784468-$ or US-5430260-$). did. or (US-4572325-$ or US-2632055-$).did. or (US-3108654-$).did. or (US-20020126854-$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/06/08 16:01
L2	17	1 and (tilt$4 inclin$4)	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/06/08 16:01
S1	2	("2602860" "5973999").pn.	USPAT	OR	OFF	2007/01/31 11:16
S2	8	("2602860").URPN.	USPAT	OR	OFF	2007/06/08 10:06

S3	180	mach near3 disk	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 12:13
S4	18	S3 and ((loud near3 speaker) (speaker transducer exciter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 12:14
S5	8	("2602860").PN. OR ("3670842"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 12:35
S6	23	("2491982" | "3065816" | "3104729" | "3666041" | "3670842" | "3933219" | "4146744" | "4179585" | "4201274" | "4256922" | "4284166" | "4503903" | "4875546" | "5117459" | "5216209" | "5227591" | "5485521" | "5936209").PN. OR ("6625289"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 12:37
S7	44	("2689016" | "3449519" | "4083426" | "4142603" | "4410064" | "4549631" | "4616731").PN. OR ("4875546").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 12:43
S8	17484	($7annular $7sperical $7circular $7elliptical) adj3 array	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 12:44
S9	20390	($7annular $7sperical $7circular $7elliptical) adj3 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 12:44
S10	89	"381"/$.ccls. and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 12:50

S11	2	"7088830".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 12:51
S12	36	("1616639" | "1951669" | "2461344" | "3012222" | "3398810" | "3461421" | "3513439" | "3612211" | "3613069" | "3710332" | "3723957" | "3742433" | "3836951" | "4005278" | "4207571" | "4245136" | "4378596" | "4418248" | "4429194" | "4433750" | "4593160" | "4823908" | "4908805" | "4991148" | "5181301" | "5317543" | "5357578" | "5844998" | "6606389").PN. OR ("7088830").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 14:27
S13	23	("4005278").URPN.	USPAT	OR	OFF	2007/01/31 14:58
S14	53	("0224073" | "3676594" | "3794779" | "3796840" | "3836724" | "3939310" | "3984885" | "4005278" | "4087631" | "4097689" | "4136260" | "4251686" | "4412106" | "4433209" | "4443668" | "4748669" | "4789044" | "4817149" | "4821323" | "4829571" | "4965836" | "5137110" | "5148887" | "5175768" | "5201003" | "5272757" | "5307415" | "5333206" | "5337363" | "5345512" | "5357277" | "5371799" | "5434924" | "5438623" | "5459790" | "5467401" | "5474290" | "5521981" | "5521982" | "5524053" | "5533137" | "5544249" | "5546227" | "5682172" | "5684879" | "5706360").PN. OR ("6038330").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 15:02
S15	6	("5684879").URPN.	USPAT	OR	OFF	2007/01/31 15:05
S16	36	("0501610" | "1273459" | "1690840" | "1718357" | "1760085" | "1868019" | "2034882" | "2534040" | "2551556" | "3201529" | "3509290" | "3821492" | "3943304").PN. OR ("4379951").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 15:32

EAST Search History

S17	865	speaker near3 ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/31 15:33
S18	472	speaker adj3 ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/31 15:33
S19	587	(loudspeaker speaker) adj3 ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/31 15:40
S20	82	(loudspeaker speaker) adj (arcuate ring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/06/08 10:10
S21	1310	arcuate near2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/31 15:36
S22	897	(loudspeaker speaker) near3 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/31 15:40
S23	5	S21 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/31 15:43
S24	1787	(381/339,186,395,430,396).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/06/08 14:15
S25	0	("17and@ad<=20020807").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/31 15:44
S26	919	S24 and @ad<="20020807"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/08 10:19

EAST Search History

S27	905052	array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 15:45
S28	59	S26 and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 15:45
S29	20	("1866831" | "3379276" | "3578103" | "3608665").PN. OR ("5088574").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 15:55
S30	5	("4923032" | "5088574").PN. OR ("5952619").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 15:56
S31	14	("3627948" | "3754618" | "4165797" | "4179008" | "4365688" | "4580654").PN. OR ("4815559"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 15:59
S32	14	("3054856" | "3157247" | "3888333" | "3931867" | "4057689").PN. OR ("4179008"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:02
S33	22	("3931867").URPN.	USPAT	OR	OFF	2007/01/31 16:04
S34	17	("2602860" | "2632055" | "3026957" | "3525809" | "4037051" | "4165797" | "4199658" | "4572325" | "4624337" | "4837826" | "4885782" | "5430260" | "5590771").PN. OR ("6801631"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:33
S35	16004	tilt$5 near3 (inside inward in)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:34
S36	2674	(S24 S25 S26 S27 S28 S29 S30 S31 S32 S33 S34) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:37
S37	1	(S31 S32 S33 S34) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:34
S38	2674	(S24 S25 S26 S27 S28 S29 S30) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:35

EAST Search History

S39	0	(S28) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:35
S40	0	(S29) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:35
S41	0	(S30) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:35
S42	0	(S31) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:35
S43	1	(S32) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:35
S44	0	(S33) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:36
S45	0	(S34) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:37
S46	1	(S26) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:37
S47	1	(S28 S29 S30 S31 S32 S33 S34) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:37
S48	2	(S24) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:38
S49	3	(S12 S13 S14 S15 S16 S18 S17 S19) and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 16:38
S50	1	"4837826".pn.	USPAT	OR	OFF	2007/02/04 15:25
S51	2	bromer.in. and nick.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO	OR	OFF	2007/02/04 15:26
S52	576950	radii radius	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/06/08 10:17
S53	1480	S52 and "381"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/06/08 10:07

EAST Search History

S54	2297	(181/153,154,163,164,165,179,189, 195,198,199).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/06/08 10:10
S55	3969	(loudspeaker speaker array) adj (arcuate ring round curved circular arcuate oval semicircular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/06/08 10:11
S56	2	S52 and S54 and S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/06/08 10:12
S57	17	S54 and S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/06/08 10:12
S58	25	("2979149" | "3104729" | "3360072" | "3627948").PN. OR ("4006311").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 10:15
S59	2878982	radii radius diameter	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/06/08 10:18
S60	3709	S53 S54	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/06/08 10:18
S61	363	S60 and array and S59	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/06/08 10:18
S62	17	(S56 S57)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/06/08 10:20
S63	13	S62 and @ad<="20020807"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/08 10:21
S64	362	S61 not (S56 S57)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/06/08 10:20

EAST Search History

S65	218	S64 and @ad<="20020807"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/08 10:21
S66	12	("3100024" | "3504364" | "3947635" | "4054750").PN. OR ("4633229").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 12:25
S67	34	("2761913" | "3268672" | "3430007" | "3449531" | "3567870" | "3718779" | "3861495" | "3983337" | "3993345" | "4300022" | "4354067" | "4499340" | "4514599").PN. OR ("4551849"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 12:30
S68	35	("2064911" | "2135840" | "2534543" | "2891437" | "2943296" | "3085565" | "3424873" | "4118274" | "4146869" | "4158598" | "4225010").PN. OR ("4348750"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 12:41
S69	35	("1741274" | "2881850" | "2982372" | "3275100" | "3473625" | "3719250" | "3720285" | "3754618" | "3912865").PN. OR ("4057689").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 13:08
S70	17	("1672796" | "1702399" | "1733013" | "1738575" | "1969704" | "2864899" | "3636278" | "3669214").PN. OR ("4039044"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 13:14
S71	12	("2632055" | "2915588" | "3719250").PN. OR ("3976838"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 13:19
S72	16	("2915588").URPN.	USPAT	OR	OFF	2007/06/08 13:20
S73	34	("2544742" | "2824617" | "2915588" | "3360072" | "3590942" | "3818138" | "D211361" | "D226567" | "D227478").PN. OR ("4006308").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 13:21
S74	16	("2544742" | "2831060" | "3985957" | "4006308" | "4031318" | "4122910" | "4142604" | "4179585" | "4249037" | "4440260" | "4462112" | "4578809" | "4691362" | "4787472").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 13:34
S75	14	("4691362").URPN.	USPAT	OR	OFF	2007/06/08 13:35

S76	47	("0538263" | "0709984" | "1786279" | "2580916" | "2643727" | "2869667" | "2993557" | "3477540" | "3816672" | "3848092" | "4107479" | "4134324" | "4182931" | "4196790" | "4218583" | "4348549" | "4580654" | "4594729" | "4620317" | "4630298" | "4638505" | "4691362" | "4759066" | "4819269" | "4924963" | "5333200" | "5412732" | "5475764" | "D351388" | "D351839").PN. OR ("5784468"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 13:36
S77	18	("2544742" | "2831060" | "3985957" | "4006308" | "4031318" | "4122910" | "4142604" | "4179585" | "4249037" | "4440260" | "4462112" | "4578809" | "4691362" | "4787472").PN. OR ("5097514").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 13:42
S78	24	("3016424" | "4006308" | "4058675" | "4073365" | "4133975").PN. OR ("4256922"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 13:47
S79	18	("3241631" | "3947635" | "4051919" | "4054750" | "4249037" | "4256922" | "4267405" | "4503553" | "4572325").PN. OR ("4837826").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 13:48
S80	18	("2602860" | "2632055" | "3026957" | "3525809" | "4037051" | "4165797" | "4199658" | "4572325" | "4624337" | "4837826" | "4885782" | "5430260" | "5590771").PN. OR ("6801631"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 13:59
S81	16	("3645355" | "3824343" | "4283606" | "4349697" | "4421949" | "4450322" | "4727586").PN. OR ("4885782").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 14:11
S82	30	radius near4 sound near5 source	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 14:14
S83	19626	(circular arcuate round $5circular oval curv$3) near5 source	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 14:15
S84	1830	(381/339,186,395,430,396).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/06/08 14:16

S85	4002	S84 S54	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/06/08 14:16
S86	18	S83 and S85	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/06/08 14:16
S87	8	("3582553" | "3637039" | "3933219").PN. OR ("4572325"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 14:27